

# FirstNet Network Update

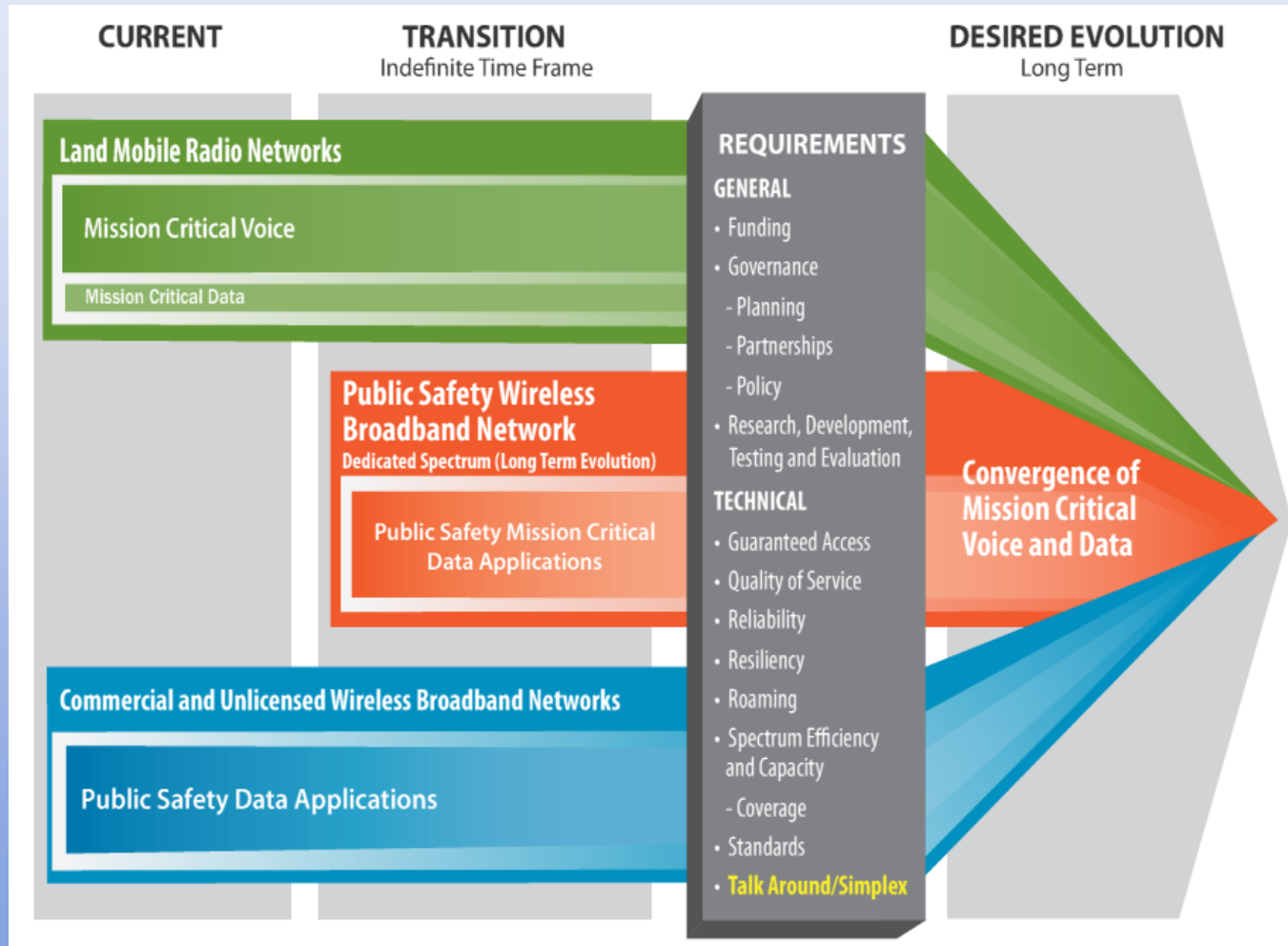
Presented to the SIGB  
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-----*State Information Technology Services Division*-----



# Public Safety Communications Evolution



*This conceptual framework outlines building wireless broadband data communications while maintaining LMR networks to support mission critical voice communications*

# 2013 Legislative Session

## Public Safety Communications Legislation

House Bill 2: \$1,860,000 Federal Authority to expend U.S. Department of Commerce, National Telecommunications and Information Administration (NTIA) Planning Grant awarded to the Montana Department of Administration.



**First Responder Network Authority**

**<http://www.ntia.doc.gov/category/firstnet>**



# What is the Vision of FirstNet?



## FirstNet Vision & Guiding Principles

FirstNet will provide communication tools that emergency responders need & deserve.

- Enable Unrestricted Communications
- Deliver Advanced Technology
- Leverage Scale to Lower Costs

**FirstNet will provide dedicated spectrum, a single technology and funding to create a nationwide network dedicated to public safety.**



### **Public Safety Effectiveness**

- **Dynamic Priority Access**

### **Public Safety Grade**

- **Reliable**
- **Hardened**
- **Redundant**
- **Secure**

### **Public Safety Applications**

- **4G LTE for data and video**
- **Non mission-critical voice**



# FirstNet Will Augment LMR Systems



- **Public safety will rely on LMR for mission-critical voice for many years**
- **FirstNet can be co-located on existing LMR and commercial cellular infrastructure**
- **Sharing infrastructure will keep costs down and enhance coverage**



# What is the FirstNet Business Model?

- Break Even and Build a Self-Sustaining Network
- User Fee for Network Service
- Leverage value of the spectrum
- Reflect value of contributed assets and partnerships





# FirstNet Planning Process

**What is needed:** FirstNet requires input and requirements from state, local and tribal entities to prepare network plans for state review.

Examples include:

- Architecture of network
- Required coverage areas of the network
- Hardening, security, reliability, and resiliency requirements
- Assignment of priority users
- Network user training needs
- Availability of infrastructure that may be utilized

# Questions?



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